BRUHAT BENGALURU MAHANAGARA PALIKE

"Consultancy Services for preparation of DPR including Survey, Designs, Drawing, Estimate and tender Documents preparation etc., for the work of Improvements to drains all around the Parks at Bagalagunte ward no-14 Dasarahalli Zone.".

SHRIYA CONSTRUCTION AND CONSULTANCY

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DESIGN REPORT

Submitted To:
Office of Executive Engineer,
Dasarahalli Projects
Bangalore 560057
BBMP

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INTRODUCTION

GENERAL

Bangalore is the capital of Karnataka. It is located on the Deccan Plateau in the south- eastern part of Karnataka. Bangalore is India's third most populous city and fifth-most populous urban agglomeration. Bangalore is well known as a hub for India's Information Technology sector. It is among the top 10 preferred entrepreneurial locations in the world Bangalore is sometimes referred to as the "Silicon Valley of India" (or "IT capital of India") because of its role as the nation's leading information technology (IT) exporter. Indian technological organizations ISRO, Infosys, Wipro and HAL are headquartered in the city. A demographically diverse city, Bangalore is the second fastest-growing major metropolis in India.

GEOGRAPHY

Bangalore lies in the southeast of the South Indian state of Karnataka. It is in the heart of the Mysore Plateau (a region of the larger Precambrian Deccan) at an average elevation of 900 m (2,953 Ft.).It is located at 12.97°N 77.56°E and covers an area of 741 km2 (286 sq mi).The majority of the city of Bangalore lies in the Bangalore Urban district of Karnataka and the surrounding rural areas are a part of the Bangalore Rural district. The topology of Bangalore is flat except for a central ridge running NNE-SSW. The highest point is Vidyaranyapura Doddabettahalli, which is 962 m (3,156 ft) and lies on this ridge. No major rivers run through the city, though the Arkavathi and South Pennar cross paths at the Nandi Hills, 60 km (37 mi.) to the north. River Vrishabhavathi, a minor tributary of the Arkavathi, arises within the city at Basavanagudi and flows through the city. The rivers Arkavathi and Vrishabhavathi together carry much of Bangalore's sewage. A sewerage system, constructed in 1922, covers 215 km² (133

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mi²) of the city and connects with five sewage treatment centres located in the periphery of Bangalore.

CLIMATE

Bangalore has a tropical savanna climate (Koppen climate classification Aw) with distinct wet and dry seasons. Due to its high elevation, Bangalore usually enjoys a more moderate climate throughout the year, although occasional heat waves can make summer somewhat uncomfortable the coolest month is January with an average low temperature of 15.1 °C (59.2 °F) and the hottest month is April with an average high temperature of 35 °C (95 °F). The highest temperature ever recorded in Bangalore is 39.2 °C (103 °F) (recorded on 24 April 2016) as there was a strong El Nino in 2016 There were also unofficial records of 41 °C (106 °F) on that day. The lowest ever recorded is 7.8 °C (46 °F) in January 1884 Winter temperatures rarely drop below 14 °C (57 °F), and summer temperatures seldom exceed 36 °C (97 °F). Bangalore receives rainfall from both the northeast and the southwest monsoons and the wettest months are September, October and August, in that order. The summer heat is moderated by fairly frequent thunderstorms, which occasionally cause power outages and local flooding. Most of the rainfall occurs during late afternoon/evening or night and rain before noon is infrequent. November 2015 (290.4 mm) was recorded as one of the wettest months in Bangalore with heavy rains causing severe flooding in some areas, and closure of a number of organizations for over a couple of days The heaviest rainfall recorded in a 24-hour period is 179 millimeters recorded on 1 October 1997.

CIVIC ADMINISTRATION

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The **Bruhat Bengaluru Mahanagara Palike (BBMP)**, is the administrative body responsible for civic amenities and some infrastructural assets of the Greater Bangalore metropolitan area.[1] It is the fourth largest Municipal Corporation in India being responsible for a population of 6.8 million in an area of 741 km². Its boundaries have expanded more than 10 times over the last six decades. Its roles and responsibilities include the "orderly development of the city" — zoning and building regulations, health, hygiene, licensing, trade and education, as well as quality of life issues such as public open space, water bodies, parks and greenery. The BBMP represents the third level of government (the Central Government and State Government being the first two levels). BBMP is run by a city council composed of elected representatives, called "Corporators", one from each of the wards (localities) of the city.

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